

Name: \_\_\_\_\_

Date: \_\_\_\_\_  
**PLANTS**

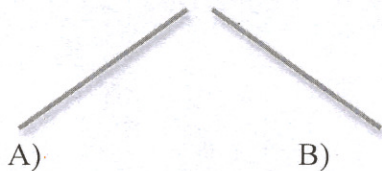
Period: \_\_\_\_\_

**General Plant Characteristics:**

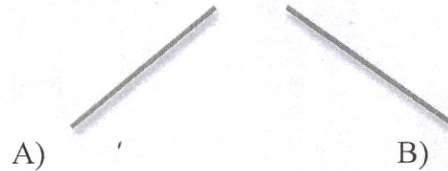
- ★ \_\_\_\_\_ -- make their own food using \_\_\_\_\_
- ★ \_\_\_\_\_ -- place where \_\_\_\_\_ takes place
- ★ Have \_\_\_\_\_ -- waxy layer that coats the \_\_\_\_\_ exposed to \_\_\_\_\_
- ★ Have \_\_\_\_\_ -- outer layer surrounding cell membrane
- ★ Reproduce with \_\_\_\_\_ and/or \_\_\_\_\_ cells

**Plant Classification**

1. \_\_\_\_\_



2. \_\_\_\_\_



**Seedless, Nonvascular Plants:**

- ♣ Mosses, liverworts, hornworts
- ♣ Lacks \_\_\_\_\_ tissue
- ♣ Reproduce by \_\_\_\_\_
- ♣ No roots, but \_\_\_\_\_ = \_\_\_\_\_
- ♣ Stalks and \_\_\_\_\_ items
- ♣ \_\_\_\_\_

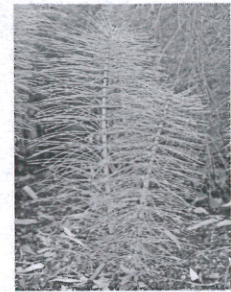


### Types of Vascular Tissue:

1. Xylem = transports \_\_\_\_\_ from \_\_\_\_\_ to plant
2. Phloem = transports \_\_\_\_\_ (\_\_\_\_\_) throughout plant
3. Cambium = produces new \_\_\_\_\_ and \_\_\_\_\_ as plant \_\_\_\_\_

### Seedless, Vascular Plants:

- ♣ Ferns, club mosses, horsetails, peat
- ♣ Have \_\_\_\_\_ tissue
- ♣ Have \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_
- ♣ Reproduce by \_\_\_\_\_



### Seeded Vascular Plants:

#### Gymnosperms

- Type = \_\_\_\_\_ or \_\_\_\_\_ (\_\_\_\_\_)
- Produce 2 types of \_\_\_\_\_
- Seeds develop only on \_\_\_\_\_

#### Angiosperms

- Type = \_\_\_\_\_
- Monocot = \_\_\_\_\_ cotyledon (\_\_\_\_\_)
- Dicot = \_\_\_\_\_ cotyledon (\_\_\_\_\_)
- Cotyledon = "seed \_\_\_\_\_" for \_\_\_\_\_ storage

## Structures of Seed Plants:

1. \_\_\_\_\_

a. supply \_\_\_\_\_ and \_\_\_\_\_

b. \_\_\_\_\_ and \_\_\_\_\_

c. store \_\_\_\_\_

2. \_\_\_\_\_

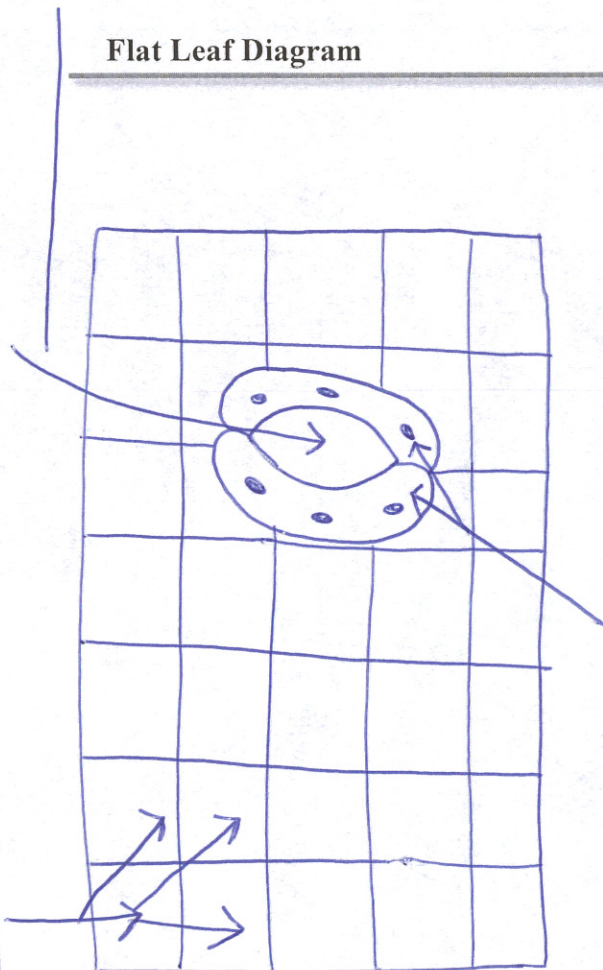
a. \_\_\_\_\_ plant body

b. \_\_\_\_\_ and \_\_\_\_\_ materials

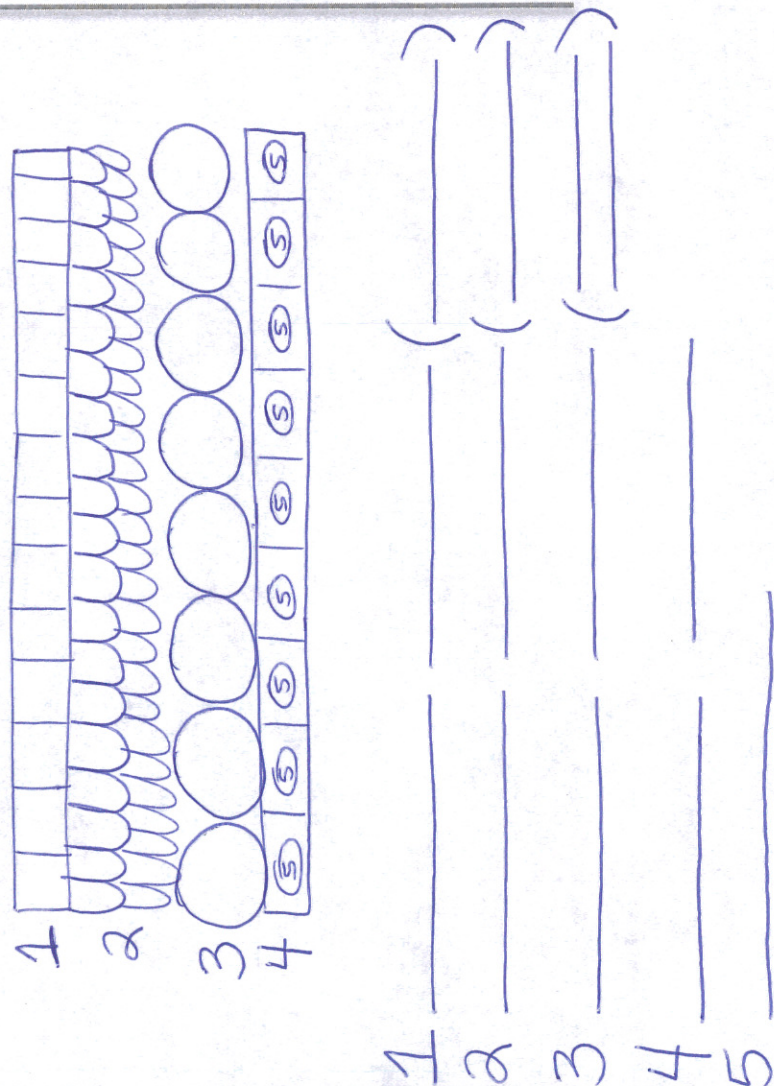
3. \_\_\_\_\_

a. make \_\_\_\_\_ through \_\_\_\_\_

**Flat Leaf Diagram**



**3D Leaf Diagram with Layers**



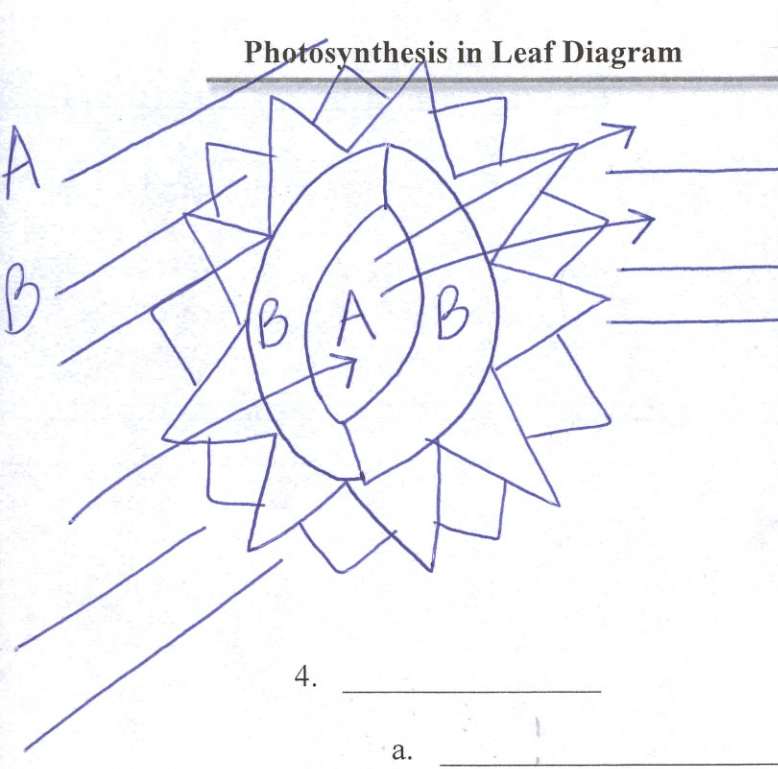
# Photosynthesis:

♣ Formula = 6 \_\_\_\_\_ + 6 \_\_\_\_\_ → \_\_\_\_\_ + 6 \_\_\_\_\_

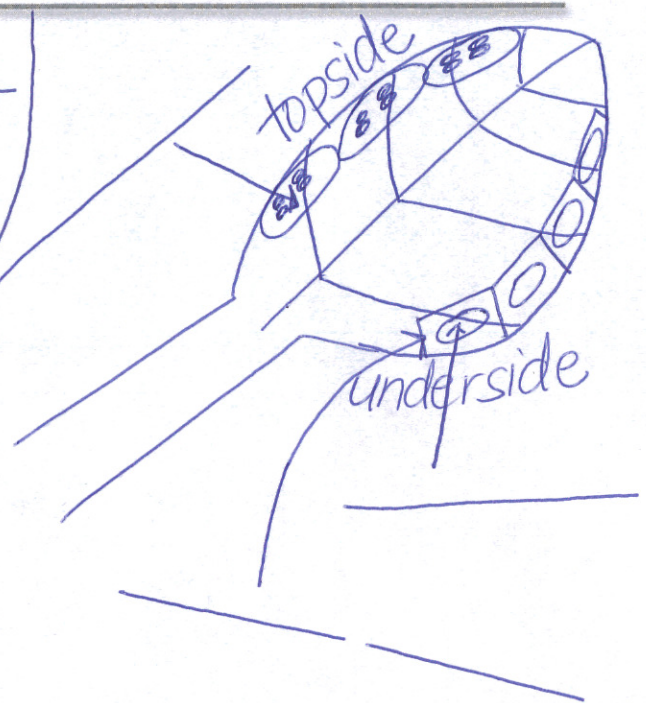
♣ \_\_\_\_\_ and \_\_\_\_\_ released through \_\_\_\_\_

♣ \_\_\_\_\_ and \_\_\_\_\_ enter through stomata

Photosynthesis in Leaf Diagram



Leaf Top and Underside Diagram



Flower Diagram

